

Hydrated Calcium Sulphoaluminates, by H. Eick.
GERMANY, per, Zement-Kalk-Gips, Vol 17, No 5,
1964, pp 74-169
NWDIA

H. Eick

Sci -
Jul 67

394,096

System $\text{CaO-Al}_2\text{O}_3\text{-CaSO}_4\text{-H}_2\text{O}$ at 20°C , by H. Eick,
J. D'Ans.
GERMAN, per, Zement-Kalk-Gips, Vol 6, No 9, 1953,
pp 11-302
CSIRO/No 7024

H. Eick

Sci -
Jul 67

34,501

The Electrical Properties of Thin Metal Films,
by A. Schulze and H. Eicke, 57 pp.

GERMAN, manuscript. Metall Vol VII, N. 3-4 pp
102-107, Feb 1953; No 5-6, 1171-1182, Mar 1953
BIA 57-3502

Sci

Aug 58

LA 3541

71,095

GERMAN, *Pin in Conifers*, by R. Eicke.
Berichte Deutsche Botanische
Gesellschaft, Vol 67, No 6/7, 1954,
pp 213-217.
NTC 69-12556-06C

R Eicke

Sci-BGM
Aug 69

388,475

GERMAN, per, Forschung, Vol VIII, No 1, Jan/Feb 1937, pp 6-9.	
TPA3/TID T.1552	
Scientific CT9/DEX	Engineering 5850

The Effect of Drawing Speed, Reduction in
Cross Section and Carbon Content on the
Mechanical Properties of Drawn Steel Wire:
Power Requirement in Drawing, by H. Eick
Eicken, W. Eickenhain. UNCL

GERMAN, per, Stahl u Eisen, 18 Dec 1924,
pp 1687-1694.

British Iron and
Steel Ind 1245
(L3 10s.0d)

Sci - Min/ptc
May 59

86,777

Eickhoff, C. POLYETHYLENE BY A RADIOCHEMICAL PROCESS. [1961] 5p. Order from ATS \$7.75 ATS-75N52G Trans. of Chem[ische] Ind[ustrie] (West Germany) 1960, v. 12, p. 545-546. DESCRIPTORS: *Polyethylenes, Polymerization, *Radio- chemistry. (Chemistry--Organic; TT, v. 6, no. 8)	61-25358 I. Eickhoff, G. II. ATS-75N52G III. Associated Technical Services, Inc., East Orange, N. J. Office of Technical Services
--	--

The Effect of the Rate of Heating Coal on the
Evolution of Volatiles, by M. G. Reznik, E. Ya.

Eidel'man.

Russian, per, Khim i Tekh Toplivo i Masel, Vol III,
No 8, 1958, pp 56-58.

ATS RJ-1620

Sci - chem, Engr
Jul 59

90,446

Eidel'man, F. M. THE BLOOD, URINE AND GASTRIC CONTENTS HISTAMINE CONCENTRATION IN PATIENTS WITH NORMAL AND ABNORMAL GASTRIC SECRETORY ACTIVITY (Soderzhanie Gistamina v Krovi, Moche i Zheludochnom Soderzhanimom pri Normo-Giper- i Giposekretsi Zheludochnykh Zhelez). [1964] [14p] (foreign text included) 12refs FASEB Ms no.: 644-3 Order from OTS, SLA, or ETC \$1.60 TT-64-15413	TT-64-15413 I. Eidel'man, F. M. II. FASEB-S-644-3 III. Federation of American Societies for Experi- mental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.
Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 101-105.	5052
(Biological Sciences--Physiology, TT, v. 12, no. 3)	Office of Technical Services

The Structure of an Inter-Branch Balance of Production
and Distribution in the Soviet National Economy, by
M. Fiedelman. 3 pp.

RUSSIAN, per, Vest Statistiki, No 1, 1960, p 55.

Internatl Arts & Sci Press
Vol III, No 2
Problems of Economics

USSR

Econ

Aug 60

123,490

Capital Construction: Statistics and Accounting, by
R. Edel'man, 60 pp.

RUSSIAN, monograph, Uchebnoye Posobiye po Otdel'nyy
Statistiki, 1958, pp 278-341.

JPRS 6745

USSR

Econ

Feb 61

140,787

Eidel'man, S. D.
ESTIMATES OF SOLUTIONS OF PARABOLIC SYSTEMS
AND SOME OF THEIR APPLICATIONS. [1962] 42p.
7 refs.

Free copies available from Boeing Scientific Research
Labs. Library as Boeing Trans. R54. When supply is
exhausted, order from OTS or SLA \$4.60, 63-10121

Trans. of Matematicheskii Sbornik (USSR) 1953,
v. 33(75) no. 2, p. 359-382.

DESCRIPTORS: *Partial differential equations,
*Differential equations, Green's function, Equations,
Matrix algebra.

New estimates are obtained for elements of Green's
matrix, which is the fundamental matrix for a
parabolic system of differential equations; applications
of these estimates to the problem of uniqueness

(Mathematics, TT, v. 9, no. 11)

(over)

63-10121

- I. Title: Cauchy problem
- I. Eidel'man, S. D.
- II. Boeing Trans-R54
- III. Boeing Scientific
Research Labs.,
Seattle, Wash.

Office of Technical Services

Fundamental Solutions of Parabolic Systems I.,
by S. D. Eidel'man, 48 p.
RUSSIAN, per, Matemat Sbornik, Vol XXXVIII(80),
1956, pp 51-92.

Am Math Soc
Vol XLII, Ser 2

S. D. Eidel'man

Sci-Math
Jun 66

302,715

Liouville Theorems and Stability Theorems for
the Solutions of Parabolic Systems, by S. D.
Eidel'man, 30 p.

RUSSIAN, per, Matemat Sbornik, Vol XLIV, 1958,
pp 481-501.

Am Math Soc

Vol XLII, Ser 2

441-44

S. D. Eidel'man

Sci-Math
Jun 66

302,698

Fundamental Solutions of Parabolic Systems II,.
by S. D. Eidel'man, 72,
RUSSIAN, per, Matematicheskii Sbornik, Vol LIII(95),
1961, pp 73-136.

Am Math Soc
Vol XLI, Ser 2

S. D. Eidel'man

Sci- Math
Jun 66

302,716

Eidel'man, S. B. ON FUNDAMENTAL SOLUTIONS OF PARABOLIC SYSTEMS. [1962] [73] p. 18 refs. Free copies available from Boeing Scientific Research Labs. Library as Boeing Trans. R53. When supply is exhausted, order from OTS or SLA \$7.60, 62-18860	62-18860 I. Eidel'man, S. B. II. Boeing Trans-R53 III. Boeing Scientific Research Labs., Seattle, Wash.
Trans. of Matematicheskii Sbornik (USSR) 1956, v. 38(80) no. 1, p. 51-92. DESCRIPTORS: *Partial differential equations, Green's function, Functions, Complex variables, Matrix algebra, Determinants. This study is devoted to: (1) an analytic description of Green's matrix; (2) to the construction of a fundamental matrix of solutions of system in the case of the strip $0 \leq t \leq T; -\infty < X_s < \infty; s = 1, 2, \dots, n$, its application to the solution of the Cauchy problem, and an investigation of some properties of regular solutions (Mathematics, TT, v. 9, no. 4) (over)	C227760 Office of Technical Services

Eidel'man, S. D.

FUNDAMENTAL MATRICES OF SOLUTION OF GENERAL PARABOLIC SYSTEMS. [1962] [9]p. 4 refs. Free copies available from Boeing Scientific Research Labs. Library as Boeing Trans. R34. When supply is exhausted, order from OTS or SLA \$1.10, 62-18850.

Trans. of Akademiya Nauk SSSR. Doklady, 1958, v. 120, no. 5, p. 980-983.

DESCRIPTORS: *Partial differential equations, Functions, Complex variables, Integral equations, Matrix algebra, Inequalities.

In this paper fundamental matrices of solutions are constructed for arbitrary linear parabolic systems and some of their applications are given.

(Mathematics, TT, v. 9, no. 4)

62-18850

- I. Title: Holder continuity
- I. Eidel'man, S. D.
- II. Boeing Trans-R34
- III. Boeing Scientific Research Labs., Seattle, Wash.

0227753

Office of Technical Services

On Boundary-Value Problems for Parabolic Systems in
a Half Space, by S. D. Eidel'man, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLII, No 4,
1962, pp 812-814.

Amer Math Soc
Vol 3, No 1

Sci - Math
Sep 2 62

211,554

Systems, by S. D. Edel'man, S. D. Ivasisen, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVI, 1961,
pp 304-307.

Amer Math Soc

Sci

Jul 61

160, 713

Comparative Study of the Effect of Photosynthetic
Poisons on the Light-Induced Transformation of Some
Xanthophylls, by Z.M. Eidel'man, D.I. Sapezhnikov,
N.V. Bazhanova, O.N. Popova, 3 pp.

RUSSIAN, per, Fiz Rasteny, Vol VII, No 2, 1960,
pp 129-132.

Amer. Inst of Biol Sci

Sci
Dec 60

134,835

Inhibition by Hydroxylamine of the Light Reactions in
the Transformations of Xanthophylls, by D. I.
Sapozhnikov, Z. M. Eidel'man, N. V. Bazhenova,
O. F. Popova, 4 p.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 5,
1959, pp 1128-.

Amer Inst of Biol Sci

Sci
Feb 60

107,779

Studies on the Electroconductivity of Polymers.
IV. Effect of Dipole Polarization (Polystyrene,
Poly-p-Chlorostyrene, III Styrene-Acrylonitrile
Copolymer, by B. I. Sazhin, M. P. Edel'mant,
13 pp.

RUSSEAN, per, Vysokomolekulyarnye Soedineniya,
Vol. III, No 5, 1961, pp 761-767. 9206074.

ABC/SCS Tr 461

Sci. - Chem

May 63

220,908

Activated Kaolin and Its Use in Rubber Stocks, by
N. L. Eidelnant, S. I. Rubina, et al, 3 pp.

RUSSIAN, per, Kauchuk i Rezina, Vol **XX**, No 9,
1961, pp 46-48.

RAPRA

Sci

23 Jul 62

204,346

The Effect on the Animal Body of Molybdenum Admixed in Streptomycin, by I. A. Starozhav, R. A. Veis, S. I. Eidel'shtein, M. A. Bykova, E. K. Berezina, 5 pp.

RUSSIAN, per, Farmakol i Toksikol., Vol. XXI, No 1, 1958, pp 67-70.

Consultants Bureau

Sci - Med

Dec 58

77,709

Pyrochloarbonsäure, by E. Eidenmuns, K. Eulen,
15pp
Gießen, ger., Archiv der Pharm, Vol 281, 1943,
pp 171-185
SIA TT-6-16344

E. Eidenmuns

Sci - Bio
May 67

326,531

Arrangement for a Sofa Bed Whose Seat Can Be
Drawn Forward, by K. G. Eidenfelat, 3 pp.

SWEDISH, patent 103293, cl 34, gr 12-02, granted
22 June 43, valid 10 Aug 42, pub 24 Aug 43, registered
10 Aug 42 (no 4967/1942).

SLA 59-17313

Sed
Jan 60
Vol 2, No 7

104,651

62-18281

I. Eldinger, A.
II. Rieder, W.

Eldinger, Adolf and Rieder, Werner.
THE BEHAVIOR OF THE ELECTRIC ARC IN A
TRANSVERSE MAGNETIC FIELD (MAGNETIC
BLOWING). [1962] 67p. 105 refs.
Order from SLA \$6.60

62-18281

Trans. of Archiv für Elektrotechnik (Germany) 1957,
v. 43, no. 2, p. 94-114.

DESCRIPTORS: *Electric arcs, *Magnetic fields,
*Plasma physics, Switches, Rectifiers, Aeronautics,
Cathodes, Hall effect, Statics, Dynamics, Bibliography.

The behavior of the electric arc in a transverse magnetic
field is described in the light of previous publications
and, above all, on the basis of comprehensive personal
investigations. Not only are the physical data to be
covered as accurately as possible, but also all essential
information on the magnetic blowing which is frequently
used in the construction of switch gear is to be given to
(Physics--Electricity, TT, v. 9, no. 5) (over)

C227884

Office of Technical Services

Conference on Automation and Mechanization of the
Control Equipment in Linear and Angular
Measurements, by V. Ya. Eidinov, 5 pp.

RUSSIAN, per, Izmeritel Tekh, No 12, 1959,
pp 61-.

Instru Soc of Amer

Sci

Oct 60

132,030

Cerebral Palsy in Children and Its Treatment, by
M. B. Eidinova,

RUSSIAN, bk.

NLL (Loan)

Jan 64

Chemical Studies on Callicrein, Report No 3 -
Purification by Zone Electrophoresis, by
Hiroshi Koriya, Eiichiro Shimazawa, 9 pp.

JAPANESE, per, Yakugaku Zasshi, Vol XL LXXIX,
No 3, 1959, pp 374-377.

NIH 8-15

Sci - Chem
Sep 59

95,476

Magnesian Ores, by A. I. Gushkov, A. A. Frolov,
M. A. Evtushenko, 3 pp.

RUSSIAN, in, Metallurgy of Light Metals,
Chapter XVIII, p 340.

88 JUNE/DC-L-1175

Sci - Minerals, Metals
Dec 58

77,819

On the Reaction of Radiation in a Magnetoactive
Plasma, by B. IA. Eidman, 8 pp.

RUSSIAN, per, Izvestia VUZ, Radiofizika, Vol III,
No 2, 1960, pp 192-198.

MDF - E-106
FDD X-4504

Sci - Electronics

Nov 60

131, 825

(NY-6498)

On the Incoherent Radio Emission of the Charged
Particles Moving in the Earth's Magnetic Field,
by E. A. Benediktov, V. Ye. Eidman, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved MVO,
Radiofiz, Vol IV, No 2, 1961.

JPRS 10223

Sci

173, 735

Oct 61

Contribution to the Knowledge of Boron Nitride
From the University Laboratory of Prof Naumann at
Giessen, L. Mooser, W. Eidmann, 4 pp.

GERMAN, per, Ber Chem Ges, Vol XXXV, 1902,
pp 535-539.

SLA Tr 2348

Sci - Chemistry
Sep 57

53, 012

On Some Peculiarities of Electromagnetic Waves
Radiated by Particles Moving Faster Than Light, by
V. L. Ginzburg, V. I. Eidman, 25 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Radiofiz,
Vol II, No 3, 1959, pp 331-343.

JPRS 5970

Sci

Nov 60

133,564

11 698

US-43

EIDMAN B. Ya.

On the reaction force of radiation in a magnetoactive plasma

Izv. Vysshikh Ucheb. Zaved. Radiofizika, 3, No. 2, 192-198
(1960)

MDF E-106. \$ 4.00 - English

E u r a t o m

Edman, 5 pp.

RUSSIAN, per, Zhur Ekspert i Teoret Fiz, Vol XLII,
No 5, 1962, pp. 1865-1871.

Amer Inst of Phys
Sov Phys - JETP
Vol XVI, No 5

Sci

63

Jun 28

342 648

7711271
12/11/1971

Radiation of Plasma Waves by a Charge Moving in a
Magnetoactive Plasma, by V. Ya. Eidman, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLI, No 6,
1961, pp 1971-1977.

AIP
Sov Phys - JETP
Vol XIV, No 6

Sci

205,062

Jul62

Cerenkov Radiation from Dipoles, V. L. Ginzburg
and V. Ya. Sidman, 4 pp. *by*

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXV,
No 6(12), 1959, pp 1508-1512.

Saer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 6

Sci - Phys

Jun 59

89,084

The Radiation from an Electron Moving in a Magnetoactive Plasma, by V. Ya. Eidman, 5 pp.

RUSSIAN, per, Zhur Ekspri i Teoret Fiz, Vol XXXIV, No 1, 1958, pp 131-138.

Amer Inst of Phys
Sov Phys - JETP
Vol VII(34), No 1

Sci - Phys

Sep 58

73,246

Temporaria, by H. Rickman.
GENIUM, par. Biologisches Zentralblatt,
Vol 42, No 1, 1922, pp 97-100.
NASA ET F-21,732

Sci
Doc 60

368,810

Rapid Methods of Controlling the Quality of Glaze
and Glazed Coatings, by Yu. Pa. Eiduk, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIX,
No 3, 1962, pp 32-35.

CB

Sci
~~xx~~
May 64

260,223

61-20140

Eldus, B. R.
DEPENDENCE OF THE HYDROGEN-CARBON RATIO
IN LIQUID FUEL UPON ITS AVERAGE SPECIFIC
GRAVITY. [1961] 6p. 12 refs.
Order from OTS or SLA \$1.10 61-20140

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945,
v. 18, p. 548-555.

DESCRIPTORS: Liquids, *Fuels, *Oils, Organic com-
pounds, *Hydrogen, *Carbon, Density, Stability.

On the example of a large number of organic com-
pounds the hydrogen-carbon ratio was correlated with
specific gravity. An equation $(H/C)' = 3.86 - 2.3D$
was derived suitable for comparative characterization
of crude oils with tars from coal and peat. Similar
equations were derived for the series of paraffins and
naphthenes. (Author)
(Chemistry--Organic, TT, v. 6, no. 11)

I. Eldus, B. R.

Office of Technical Services

Some Boundary-Value Problems in Infinite Regions,
by D. M. Kikins, 28 p.
RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Seriya
Matemat., 27, 1963, pp 1055-1080.

Am Math Soc
~~Vol. III, Ser 2~~
Vol. LIII, Ser 2

Sci-Math
Jun 66

303,735

The Principle of Limiting Absorption, by D. M.
Eidus, 36 p.
RUSSIAN, per, Matemat Sbornik, Vol XLVII(99).
1962, pp 13-44.

Am Math Soc
Vol XLVII, Ser 2

D. M. Eidus

Oct-Mar 62
Am 66

302,644

Matrix Method for Multicontact Relay Communications
and Control Switching Circuits Synthesis, by
M. L. Tsutlin, G. S. Eidus

RUSSIAN, per, Elektrosviaz, 1958, No 4, pp 41-48.

Pergamon Press

Sci

Feb 60

108,291

Temperature Dependence of the Elastic Constants of
Monocrystals of Sodium Chloride and Silver Chloride,
by A. V. Stepanov, I. M. Eldus, 6 pp.

RUSSIAN, no per, Zhur Eksp. i Teoret. Fiz., Vol XXIX,
No 5, Nov 1955, pp 669-675.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

43,766

Sci - Physics
TOP SECRET

Investigation in Vitro of the Mechanism of
Action of Chemical Radioprotectors. Communication I.
by E. E. Ganassi, L. Kh. Eidus, R. A. Arifulina,
10 pp.

RUSSIAN, per, Radiobiol, Vol III, No 3, 1963,
pp 440-446.

AEC-Tr-5436

Sci

Mar 64

253,851

A Study of the Mechanism of Radiation "After
Effect" in Proteins, by L. Kh. Eidus, E. E.
Ganassy, 9 pp.

RUSSIAN, per, Biofiz, Vol IV, No 2, 1959, pp 215-
222.

Pergamon Press

Sci

Mar 60

110,788

Existence of Several Types of Latent Damage in Oxidized
Myosin Molecules, by L. Kh. Elarz, Ye. B. Gerasim, 5 pp.

RUSSIAN, per, Biokhimiya, Vol V, No 3, 1960, pp 334-338.

PP

Sci
Apr 61

149,984

The Existence of Some Enzymatically Active States of
Myosin with Different Thermostability, by L. Kh.
Eidus, G. K. Otarova, 14 pp.

RUSSIAN, per, Biokhimiya, Vol XXIV, No 6, 1959,
pp 982-992.

Consultants Bureau

Sci

Jul 60

120,345

Study of the Movement of Nutritive Substances
Within a Plant, by A. M. Kuzin, V. I. Merenova,
L. M. Eidus.

RUSSIAN, per, Fiz Rasteniy, Vol. LII, No 2, 1956,
pp 121-124. CIA 9037523

USDA

Sci - Biology
Mar 59

83,526

Analysis of the Effect of the Chief Physical Factors
Changing Radiosensitivity, by L. Kh. Bidus, Ye. E.
Gerasim, 11 pp.

RUSSIAN, per, Biofiz, Vol V, No 5, 1960, pp 523-532.

PP

Sci

Jun 61

157,864

The Mechanism of the Oxygen Effect in Radiobiology,
by L. Kh. Eldus, N. V. Kondakova, and G. K. Otarova.
4 pp.

RUSSIAN, per, Biofizika, Vol. III, No 2, 1958, pp
215-219.

Pergamon Inst

Sci . Med
Feb 59

81,645

INFLUENCE OF TERMINAL SUBSTITUENTS IN 5-
NITROFURYL POLYENE DERIVATIVES ON THEIR
ELECTRONIC SPECTRA, BY YA. A. EIDUS, K. K.
VENTER, 4pp.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI, NO 3,
1961, PP 655-658.

CB

SCI
AU

205.819

Mechanism of the Synthesis of Hydrocarbons From
Carbon Monoxide and Hydrogen, by Y. T. Eidus, 17 p.

RUSSIAN, per, Uspekhi Khimii, 1951, Vol XI, No 1,
pp 54-70.

SLA 59-16365

Sci
Feb 60
Vol 2, No 12

109,209

Mechanism of the Synthesis of Hydrocarbons From
Carbon Monoxide and Hydrogen, by Y. T. Eidus.

RUSSIAN, rpt, 13 pp.

Dept 2 of Int
US Bur of Mines
Info Circular 7821

Sci - Chem, Engr

Feb 59

81,180

Ultraviolet Absorption Spectra of Nitrofurans., 50
by Ya. Eidus, L. Mutsenbetsov,
RUSSIAN, per, Izvestiya Akademii Nauk Latvskoi
SSR, Vol 11, 1961, pp 65-82.
NLL RTS 3257

Ya. Eidus
Sci - Chem
Sept. 67

340,389

TT-63-18842

Eidus, Ya. T., Nefedov, B. K., and Lobzova, A. V.
CATALYTIC POLYMERIZATION OF OLEFINS. PT. 15.
LIQUID PRODUCTS OF ETHYLENE POLYMERIZA-
TION ON THE CATALYST NICKEL-OXIDE-ALUMINO-
SILICATE, UNDER HIGHER PRESSURE. [1963] [9 p]
Srefs.

Order from OTS, SLA, or ETC \$1.10 TT-63-18842

Trans. of Neftekhimiya (USSR) 1962, v. 2 [no. 1]
p. 21-27. (Abstract available)

DESCRIPTORS: *Polyethylene plastics, *Ethylenes,
Polymerization, *Catalysts, *Nickel catalysts,
*Aluminum compounds, *Silicates, Liquids, Hydro-
carbons, Raman spectroscopy

The polymerization of ethylene on impregnated
NiO-alumino-silicate catalyst at 275-300 C under
5-30 atm. in a space velocity range from 100 to 2,000
(Materials--Plastics, TT, v. 11, no. 1) (over)

I. Eidus, Ya. T.
II. Nefedov, B. K.
III. Lobzova, A. V.

Office of Technical Services

Catalytic Polymerization of Olefins.
Communication 10. Effect of Temperature
and Time of Contact on the Course of the
Polymerization of Ethylene over Nickel
Catalysts, by Ya. T. Eidus, K. V. Puzitskiy, &
5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, 1960, pp 1114-1118.

CB

195,646

Sci
May 62

The Catalytic Hydrocondensation of Carbon Monoxide
With Olefins and Their Hydropolymerization Under
the Influence of Carbon Monoxide and Hydrogen,
Communication 32. Conversion of Octene-1., by
N. I. Ershov, Ya. T. Eidus, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1961, pp 1696-1702.

CB

Sci
Jul 62

202,832

62-14616

Eidus, Ya. T. and Zelinskii, N. D.
CARBIDE FORMATION AS AN INTERMEDIATE
STAGE OF CATALYTIC SYNTHESIS OF HYDRO-
CARBONS FROM WATER GAS. [1962] 7p. 13 refs.
Order from OTS or SLA \$1.10 62-14616

Trans. of Akademiya Nauk SSSR, Otdelenie Khimi-
cheskikh Nauk, Izvestiya, 1962 [no. 4] p. 190-191.

DESCRIPTORS: *Carbides, Production, *Hydrocarbons,
*Gasoline, Synthesis, *Hydrogen, *Carbon compounds,
*Monoxides, Chemical reactions, Cobalt, Thorium
compounds, Dioxides, Catalysts, Catalysis.

It was established that carbides formed under the action
of carbon monoxide on the cobalt-thorium dioxide
catalyst (from Krasnoyarsk) catalyst composed
in the proportion of 100:18:100 constitute neither inter-
mediate products nor catalysts promoting the forma-

I. Eidus, Ya. T.
II. Zelinskii, N. D.

0221897

Office of Technical Services

Catalytic Isomerization of Cyclopropane in Mix-
tures with Olefins, by N. I. Ershov, V. R. Erokhina,
Ya. T. Eldus, 5 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1960, pp 1495-1499.

CB

Sci

170,520

Sep 61

X
Catalytic Hydrocondensation of Carbon Monoxide With
Olefins and Their Hydropolymerization Under the Action
of Carbon Monoxide and Hydrogen. Communication 34.
Mutual Transitions of the Reactions of the Formation of
Hydrocarbons From Mixtures of Ethylene, Hydrogen, and
Carbon Monoxide, by Ya. T. Eidus, N. I. Ershov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10,
1961, pp 1878-1879.

CB

ATS: RJ-3208

Sci
Jul 62

205,121

Catalytic Polymerization of Olefins, XIII.
Polymerization of Isobutylene in the Presence
of Some Silicagel Samples. by Ya.T. Fidus,
B.K. Nefedov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1961, pp 894-900.

CB

Sci

Mar 62

189.024

61-18236

I. Eidus, Ya. T.

Eidus, Ya. T.
INVESTIGATION OF CATALYSTS FOR HYDROGENA-
TION OF CARBON MONOXIDE BY SIMULTANEOUS
APPLICATION OF THE DYNAMIC AND STATIC
METHODS. III. THE PART PLAYED BY THE ALKA-
LINE ACTIVATOR IN THE FORMATION OF THE
SURFACE OF THE CATALYST IRON-COPPER-
THORIA-POTASSIUM CARBONATE-KIESELGUHR
[Issledovanie Katalizatorov Gidrirovaniya Oksid Ugle-
roda Sovmestnym Primeneniyem Dinamicheskogo i
Staticheskogo Metodov Soobshchenie 3]. [1961] 10p.

36 refs.

Order from OTS or SLA \$1.10

61-18236

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
cheskikh Nauk. Izvestiya. 1945, p. 62-70.

DESCRIPTORS: *Catalysts, Carbon compound, *Mon-
oxides, *Hydrogenation, Hydrocarbons, Synthesis,
*Iron catalysts, Surface properties, Iron, Copper,
Thorium compounds, Oxides, Potassium compounds,
(Chemistry--Physical, TT, v. 6, no. 7) (over)

Office of Technical Services

61-16879

Eldus, Ya. T., Kazanskii, B. A., and Zelinskii, N. D.
EFFECT OF THE CARRIER FOR THE Ni-NaO-
Al₂O₃ CATALYST ON THE SYNTHESIS OF LIQUID
HYDROCARBONS UNDER ATMOSPHERIC PRESSURE.
[1961] 5p. 8 refs.

Order from OTS or SLA \$1.10

61-16879

Trans. of Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1941, no. 1, p. 27-33.

DESCRIPTORS: *Catalysts, Synthesis, *Hydrocarbons,
*Gasoline, *Nickel catalysts, Carbon compounds,
Monoxides, Hydrogen, Chemical reactions

Of a number of Soviet kieselguhrs, the advantages of two samples from Caucasus were established. These samples were used after removal of iron compounds from them, which was not necessary in all cases, however. Igniting of the carrier is also superfluous. A third sample of diatomaceous earth gave the highest extent of unsaturation of the obtained gasoline. The
(Materials--Fuels, TT, v. 6, no. 7) (over)

I Eldus, Ya. T.
II Kazanskii, B. A.
III Zelinskii, N. D.

Office of Technical Services

61-16912

Eldus, Ya. T. and Elagina, N. V.
EFFECT OF THE COMPOSITION OF THE CONTACT
AND THE NATURE OF THE CARRIER ON THE
ACTIVITY AND THE STABILITY OF THE CATALYST
IRON-COPPER-THORIA-POTASSIUM CARBONATE IN
THE SYNTHESIS OF LIQUID HYDROCARBONS FROM
CARBON MONOXIDE AND HYDROGEN. [1961] 7p.
13 refs.

Order from OTS or SLA \$1.10

61-16912

Trans. of Akademiya Nauk SSSR. Otdelenie
Khimicheskikh Nauk. Izvestiya, 1943, p. 305-311.

DESCRIPTORS: *Hydrocarbons, Synthesis, Carbon
compounds, *Monoxides, Hydrogen, Chemical
reactions, *Catalysts, Stability, Properties, Iron,
Copper, Thorium compounds, Oxides, Potassium
compounds, Carbonates.

Preparation of 18 catalysts of the composition Fe-Cu-
ThO₂-K₂CO₃-carrier is reported, which were tested
(Chemistry--Organic, TT, v. 6, no. 7) (over)

- I. Eldus, Ya. T.
- II. Elagina, N. V.

Office of Technical Services

Order from OTS or SLA \$1.10

61-16927

DESCRIPTORS: *Gasoline, Synthesis, *Catalysts, Oxides, Carbon compounds, Monoxides, Hydrogen.

(Materials - Fuels, TT, v. 6, no. 7)

Office of Technical Services

Eidus, Ya. T. and Zelinskii, N. D.
 INTERACTION OF CARBON MONOXIDE WITH CO-
 BALT CATALYSTS USED FOR SYNTHESIS OF GASO-
 LINE FROM WATER GAS. [1961] [9]p. 22 refs.
 Order from OTS or SLA \$1. 10 61-16635

Trans. of Akademiya Nauk SSSR. Otdelente Khimiches-
 kikh Nauk. Izvestiya, 1942 [no. 1] p. 45-53.

DESCRIPTORS: *Gasoline, Synthesis, Hydrocarbons,
 Carbon compounds, Monoxides, *Cobalt catalysts,

Interaction of carbon monoxide with the catalyst cobalt-
 thorium dioxide-kieselguhr used for synthesis of gaso-
 line from water gas was investigated in experiments
 by the flow method within the temperature interval of
 190 to 270°. Interaction in the solid phase leads to
 formation of a carbide and liberation of free carbon.
 At 190-210° carbide formation is the prevailing
 reaction. Carbon is formed in but slight amounts at
 (Materials - Fuels, TT. v. 6, no. 7) (over)

61-16635

I. Eidus, Ya. T.
 II. Zelinskii, N. D.

Office of Technical Services

61-16884

Eldus, Ya. T., Fedichkina, T. L. and others.
LOWERING THE REDUCTION TEMPERATURE OF
CATALYSTS FOR SYNTHESIS OF LIQUID HYDRO-
CARBONS FROM CARBON MONOXIDE AND HYDRO-
GEN UNDER ATMOSPHERIC PRESSURE. [1961] 7p.
10 refs.

Order from OTS or SLA \$1. 10

61-16884

Trans. of Akademiya Nauk SSSR. Otdelenie Khimiches-
kikh Nauk. Izvestiya, 1941, no. 1, p. 34-40.

DESCRIPTORS: Temperature, *Catalysts, Synthesis,
*Hydrocarbons, Carbon compounds, Monoxides,
Hydrogen, *Gasoline, Nickel catalysts.

Several nickel and cobalt catalysts used for synthesis
of liquid hydrocarbons from carbon monoxide and
hydrogen were investigated to determine whether the
temperatures of their reduction could be lowered. The
nickel catalysts obtained from oxalates and formates.

(Materials--Fuels, IT, v. 6, no. 6) (over)

I Eldus, Ya. T.
II Fedichkina, T. L.

Office of Technical Services

Eidus, Ya. T. and Nechaeva, N. N.
 EFFECT OF SOME ELECTRICAL FACTORS ON THE
 CHEMICAL REACTIONS OF ETHYLENE IN HIGH
 FREQUENCY CORONA DISCHARGE. [1961] 5p. 22 refs.
 Order from OTS or SLA \$1.10 61-16862

Trans. of Akademiya Nauk SSSR. Otdelenie Khimi-
 chesikh Nauk. Izvestiya, 1940, no. 1, p. 153-160.

DESCRIPTORS: *Ethylenes, Chemical reactions, High
 frequency, Electrical corona, Electrical properties.

Experiments are reported on the effect of the wattage
 and frequency of high frequency corona discharge with
 damped oscillations on chemical conversions of ethyl-
 ene and particularly on its dehydrogenation to acety-
 lene. The wavelength within 190 to 500 meters is prac-
 tically without any effect. The dependence of the yields
 of reaction products (acetylene, hydrogen, paraffins)
 upon the power within 0.3 to 30 watts is given. (Author)
 (Chemistry--Physical, TT v. 6, no. 6)

I. Eidus, Ya. T.
 II. Nechaeva, N. N.

Office of Technical Services

Eldus, Ye. T.

INVESTIGATION OF CATALYSTS FOR HYDROGENATION OF CARBON MONOXIDE BY SIMULTANEOUS APPLICATION OF THE DYNAMIC AND STATIC METHODS. I. ACTIVITY OF THE COMPLEX CATALYST Fe-Cu-ThO₂-K₂CO₃-KIESELGUHR [Issledovanie Katalizatorov Gidrirovaniya Oksid Ugleroda Sovmestnyim Primeneniyem Dinamicheskogo i Staticheskogo Metodov. Soobshchenie I. Izucheniye Aktivnosti Slozhnogo Fe-Cu-ThO₂-K₂CO₃-Kizel'gurkatalizatora]. [1961] 7p. 13 refs.

Order from OTS or SLA \$1.10

61-18173

Trans. of Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1944 [no. 4] p. 255-261. Another translation is available from SLA as RT-622.

DESCRIPTORS: *Catalysts, Carbon compounds, *Monoxides, *Hydrogenation, Hydrocarbons, Synthesis, *Iron catalysts, Iron, Copper, Thorium compounds, Oxides, Potassium compounds, Carbonates, *Kieselguhr (Chemistry--Physical. TT, v. 6, no. 6) (over)

I. Eldus, Ye. T.

II. Title: Activity...

Office of Technical Services

Catalytic Polymerization of Olefins. Communica-
tion 1. Liquid Products of the Polymerization
of Ethylene Over a Catalyst of Nickelous Oxide
and Aluminum Silicate, by Ya. T. Eids, K. V.
Pazitskiy, V. T. Aleksanyan, et al, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1959, pp 1787-1793.

CB

Sci

157,978

Jan 61

63-18254

Eldus, Ya. T.
STUDY OF CATALYSTS FOR HYDROGENATION OF
CARBON MONOXIDE BY COMBINED USE OF
DYNAMIC AND STATIC METHODS. COMMUNICA-
TION 4: COMPARATIVE STUDY OF KINETICS OF
CARBIDE FORMATION AND HYDROGENATION OF
CARBON MONOXIDE OVER Co, Ni AND Fe
CATALYSTS. [1963] 12p. (figs. omitted) 8 refs.
Order from OTS or SLA \$1.60 63-18254

I. Eldus, Ya. T.
II. Title: Comparative...

Trans. of Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya, 1946, no. 4, p. 447-453.
Another trans. is available from OTS or SLA \$1.10
as 61-20115 [1:61] 7p.

55296

DESCRIPTORS: *Carbides, *Carbon compounds,
*Monoxides, Hydrogenation, *Iron catalysts, *Cobalt
catalysts, *Nickel catalysts, Reaction kinetics,
Catalysts.
(Chemistry--Physical, TT, v. 10, no. 11)

Office of Technical Services

The Development of Chemical Activity of Intermediate Forms of a Type of Surface Hydrocarbon Radicals in the Heterogeneous Catalysis of Carbon Monoxide and Olefins, by Ya. T. Eidus, 6 pp

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 1, 1960, pp 117-124.

CB

Sch
Jul 61

158, 137

Acid-Catalyzed Synthesis of Esters and Other
Carboxylic Acid Derivatives from Carbon Monoxide,
Olefins, and Acylating Compounds, III. Synthesis
of Esters from n-C₅-C₇ α -Olefins, by K. V.
Puzitskiy, Ya. T. Eidis, I. V. Guseva, K. G.
Ryabova, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 12,
1959, pp 4014-4018.

CB

133,232

Sci

Nov 60

Catalytic Polymerization of Olefins. Communication 2.
Isomerization and Polymerization of 1-Butene Over a
Nickelous Oxide -- Aluminum Silicate Catalyst, by
Ya. T. Eidus, I. V. Guseva, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1959, pp 2195-2198.

CB

Sci.
Oct 60

130,336

Catalytic Hydrocondensation of Carbon Monoxide
with Olefins, Communication 27. Activities of
Unpromoted Cobalt Catalysts on Various Carriers
in the Synthesis of Hydrocarbons from Carbon
Monoxide, Hydrogen, and Ethylene, by Ya. T. Eldus,
K. V. Puzitskiy, N. I. Ershov, 5 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 331-336

CB

145,391

Sci
Apr 61

Analytic Hydrocondensation of Carbon Monoxide With
Olefins. Communication 22. Hydrocondensation of
Carbon Monoxide With Cyclopentene, by Ya. T. Khus,
V. B. Orlyan, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8,
1958, pp 1458-1464.

CE

Sci -
May 61

152,769

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins. Communication 23. Hydrocondensation of
Carbon Monoxide With Ethylene Over Fe and Ni
Catalysts, by Ya. T. Eidus, N. I. Ershov, I. V.
Guseva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8,
1959, pp 1465-1470.

CB

Sol -
May 61

152, 768

Catalytic Polymerization of Olefins, Communication
5. Comparative Study of the Activities of Nickel,
Cobalt, and Iron Catalysts in the Polymerization
of Propene and the Dehydrogenation of Cyclohexane,
by Ya. F. Eidus, I. V. Guseva, A. I. Slovetzkaya,
6 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 337-343

CB

145,393

Sci
Apr 61

Hydropolymerization of Isobutene Over a Cobalt-
Clay Catalyst Under the Joint Action of Hydrogen
and Carbon Monoxide, by Ya. T. Eldus, B. K. Nefedov,
3 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1960, pp 349-350

CB

Sci
Apr 61

145,396

Catalytic Hydrocondensation of Carbon Monoxide
With Olefins. Communication 25. Effect of the
Kind of Carrier on the Activity of a Cobalt-
Thoria Catalyst in the Hydrocondensation of Carbon
Monoxide With Ethylene, by Ya. T. Eidus, K. V.
Puzitskiy, I. V. Guseva, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1959, pp 2213-2218.

CB

Sci
Oct 60

130,340

61-18885

Eidus, Ya. T., Elagina, N. V., and Zelinskii, N. D.
SYNTHESIS OF SOME OLEFINIC HYDROCARBONS
FROM PRIMARY ALKYL MAGNESIUM HALIDES AND
CARBON MONOXIDE UNDER PRESSURE. [1961] 4p.
6 refs.

Order from OTS or SLA \$1.10

61-18885

Trans. of Akademiya Nauk SSSR-- Otdelenie Khimi-
cheskikh Nauk. Izvestiya, 1945, p. 672-674.

DESCRIPTORS: *Hydrocarbons, *Ethylenes, Synthesis,
*Alkyl radicals, *Magnesium compounds, *Halides,
*Carbon compounds, *Monoxides, *Chlorides, Chemi-
cal reactions.

Preparation of 4-nonene and 2, 8-dimethyl-4-nonene was
carried out as examples of the synthesis of olefins with
odd numbers of carbon atoms from carbon monoxide
and Grignard reagents containing primary alkyls. By
(Chemistry--Organic, IT, v. 6, no. 10) (over)

- I. Eidus, Ya. T.
- II. Elagina, N. V.
- III. Zelinskii, N. D.

Office of Technical Services

The Effect of Hydrogen on the Course of the
Polymerization of Isobutylene Over Catalyst
for the Hydrocondensation of Carbon Monoxide
With Olefins, by Ya. T. Eidus, B. K. Kefedov,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIV,
No 1, 1959, p 111-.

Consultants Bureau

119,451

Sci

Jun 60

Catalytic Hydrocondensation of Carbon Monoxide with Olefins, 18. Hydrocondensation of Carbon Monoxides With Petne-1 and Isomerization of the Latter to Pentene-2 Under the Conditions of this Reaction, by Ya. T. Eidos, M.B. Ordyan, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1957, pp 1408-1410.

Consultants Bureau
HTS 75 1172

Sci - Chem

May 59

87,009

Carboxylic Acids Under Conditions of Acid
Catalysis From Carbon Monoxide, Olefins and
Acyloxy Compounds, by Ya. T. Sidug, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 241, No 2, 1978,
pp 323-325.

Amos Tech Serv RS-1391
" " " 25K25K

Sci - Chem

Apr 59

85, 281

Experimental Basis for a Chain Mechanism of the
Heterogeneous-Catalytic Hydropolymerization of
Olefins under the Influence of Carbon Monoxide
and Hydrogen, by N. I. Ershov and Ya. T. Lids, 6
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. 647, No. 2,
1957, pp 1125-

Consultants Bureau

Sci - Chem

Aug 58

73,103

Isomerization Reaction in the Butene Series, by Ia.
T. ~~Eldus~~

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 2, 1957,
pp 212-238.

Tech and Com

Sci - Chem

Apr 58

62,256

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins, Communication 19. Hydrocondensation of
Carbon-Monoxide With 2-Pentene. Interconversion of
2-and 1-Pentenes Under the Conditions of This Re-
action, by Ya. T. Sidus, M. B. Ordyan, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1958, pp 243-246.

Consultants Bureau

Sci - Chem
May 59

88,054

Polymerization and Other Transformations of
Ethylene and Propylene Under the Action of Heat,
Free Radicals, and Other Active Particles, by
Ye. T. Eidus, K. V. Pusitskiy, 98 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXII, 1953, pp
838-877.

AEC Tr 2889

SKA-R-1425

Sci - Chem

47,409

May 57

Catalytic Hydrocondensation of Carbon Monoxide
With Olefins. Communication 17. Participation of
2-Butene in the Hydrocondensation Reaction With
Carbon Monoxide, by Ya. T. Eidus, R. I. Izmillov,
4 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk,
No 7, 1956, pp 869-872.

Consultants Bureau

Sci - Chem
May 57

17, 228

Olefins. Communication No. 20.
Carbon Monoxide With 1-Butene, by Ya. T. Eidus,
R. I. Izmailov, 6 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, No 6,
1956, pp 723-729.

Consultants Bureau

Sci - Chemistry
Feb 57 CPS

44, 128

Catalytic Hydrocondensation of Carbon Monoxide with
Olefins. Communication 21. Behavior of Some
Hydrocarbons Containing Conjugated Double Bonds
in Hydrocondensation with Carbon Monoxide, by
K. V. Puzitskiy, E. M. Terentyeva, Ya. T. Eidus,
6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 7, 1959, pp 1318-1323.

CB

Sci

Jul 61

162,449

Catalytic Hydrocondensation of Olefins with Olefins. Communication 20. Behavior of 3-Methyl-1-Butene in Hydrocondensational Catalysis, by Ya. T. Eidus, N. I. Ershov, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 7, 1959, pp 1312-1317.

CB

Sci

Jul 61

162,448

EXHIBIT
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